

=ba][fUM]i b 8cW/a Ybhcg



5X b n'byX]f3

6 b'h4E[E3

DfY[i bHUF'UU[i]Yb'W/a c'gy''La U

8cui a 'mYf]b]n]j Y'fuf]\]b]n]gOmYmW]'f'a]g]b]n3

7\c'hE]V] hib]' j ¼b[¼mg]b\ WUV b'í W_\Eb[3

DfY[i bHUF'UU[i]Yb'g' 'i [Uf'mig' ZYXU'XY'bUM]a]Ybhc

B YfYX'ntU ncfj bi n3

6 b'g b[' í ¾3

DfY[i bHUF'UU[i]Yb'X' bXY'j]j Y

_La YhUXfYg]b]n'byX]f3

i UW 'WUV b'¼[E3

DfY[i bHUF'UU[i]Yb'g' 'X]fYW]i b

<Ub[]'Ø_Yj UubXU g b n3

Ei WhW'WUV b'¼[E3

DfY[i bHUF'UU[i]Yb'W'½Yg'g' 'bUM]cbU]XUX

Ø_YObY'nLa Ub['YX]b]n3

? \]b'¼c'V b'í b'Ø4E'b VØ

DfY[i bHUF'UU[i]Yb'W'¼Xc''Y['U'dUEg

?]a 'ú]b]n] [ØfW]'f'a]m]a 3

6 b'Wc'hE]i Ya [] mVb'W Wf7 A B8E'WUV b'í W_\Eb[3

DYX]f'UU[i]Yb'g' '8B=

8cW/a Ybhcg! '9ghXc'V]j]'

Hi fVø

J]YhbLa]fU

A YXYb]'U]a 'SSSSSSSSSS"

HÈb\ 'f b[\Eb'b\¾'WUfE]'¼SSSSSSSS

=bX]Wf'hi 'YghXc'V]j]'

VY_Uf

í Wf¾

9ghXc'V]j]'

Yj `]

í ç 'h ¼b\ \Eb

9ghXc'V]j]'

Uhf `a

`m'h¾

9ghXc'V]j]'

Vc Uba

`mX

9ghXc'V]j]'

=ba][fUM]i b 8cW/a Ybhcg



V]f]_h'ntU ncf
9ghUxc'V]j]`

g b[h

a YXYb]V]f]_h']_
9ghUxc'V]j]`

_ h\ d'X³g

Yj `Yba Ya] `A]zh
9ghUxc'V]j]`

i]h'WU U_ h\Eb

a YXYb]`cfhU_`_]A]bXY
9ghUxc'V]j]`

\ d'XcUb\ []Uhi W

Xi `
9ghUxc'V]j]`

[]Ud\

EcWui bi nj Ufa 3
DFY[i bhUF'UU[i]Yb'g]`h'YbY'\`cg

6 bW'WbW U3

6U_a U_`Um0_0a `0c`Xi ui bi n_]a gY'Yf] Ufa 3
DFY[i bhUF'UU[i]Yb'g]`fYg]XY'Wb'dYfgcbUg'Ug `Wf[c

6 bW'g b[W0b[j]b[]d\`hi Wb%`_\Eb[3

5]`Ya]`mub a UUa U_]g]mcfi a "
=bX]Wf`hi]bhYbV]i b'XY'fYU[fi dUF'Uhi `Zba]`]U

H0]a i b i W c%h j] []U i Eb\ WUa Eb\

8cW/a Ybhcg! '9a dUXfcbUfgy

Hi fVt

Y\]fXY]_La Yh_UhX `mubhfa U_]g]mcfi a "
=bX]Wf`ei Y`ei]YfYg'Ya dUXfcbUfY

J]YtbLa]hU

H0]a i b i Bb[_E` h%h\ d\` b%h

< Ub[]`VY[Y'Yf] [Y]hfa Y`m]a 3
DFY[i bhUF`ei A`XcW/a Ybhcg]h'YbYg`ei Y`dfYgYbhUF

H0]Wb'a Ub[`b\ b[h'] i [E3

? Umh] `Ya `Yf]]A]b`0W'h0XYa Y`]a]m]a 3
DFY[i bhUF`g]`Yi]ghYb`hUgUg'XY'Ya dUXfcbLa]Ybh

6 bW'h'i d\`Ei Bb[_E_\Eb[3

_La Yh_UhX `mubhfa U_]A]b`Vi fUXUma "
=bX]Wf`ei Y`ei]YfYg'fY[]ghUF`hi `Xca]V]]c

H0]i b i 3h i i Bb[_EW`

=ba][fUM]i b 8cW/a Ybhcg



n] \U \WY [Ygj \VU j i fi g bXUVi `i ba U_]g]ncfi a " HED]a i b'l]b'[] mW b [b\ b\ b_] a 'h h
=bX]WUf'ei Y'ei]YfYg'gc`]W]huf'i b`Wfh]Z]WUXc`XY'Vi YbU'VzbXi VhU

Ch fa U]nb] \VU j i fi g bXUVi `i ba U_]g]ncfi a " HED]a i b'í Bb['_É[] mh a 'fÖ
=bX]WUf'ei Y'ei]YfYg'gc`]W]huf'i b'dYfa]gc`XY'fYg]XYbV]U

8cW/a Ybhcg! 'GY[i fc'XY'g]i X

Hi fVz

GU` _]g][cffUg mU]` []] VUh 'gcfi `Uf'gcf a U_]g]ncfi a "

=bX]WUf'ei Y'h]YbYg'dfY [i bhUg'gcVfY`Y`gY [i fc'XY'g]i X

J]YhbLa]hU

HED]a i b\]a 'g W% \]j 'V c\] a 'mh"

2 nY`glu` _]g][cffUg bU] \h]mUWa 'j Uf'a 3
DFY [i bhUf'g] b'WVg]hUg]i b'gY [i fc'XY'g]i X'df]j UXc

HED]W'Wb'V c\] a 'mh 'h b\ % \Um_ \Eb [3

GU` _]g][cffUg 'bY'Yf] '_Udgncf3
DFY [i bhUf'dcf`U'VzVYfhi fUXY`gY [i fc

6 c\] a 'g W\ YVUc [a b\ b ['ÈB

< UghubY'a UgfUZ UF
9Ya d'c'XY'VzVYfhi fUXY`gY [i fc'XY'g]i X

D\ÉV b\]] b

I na Ub'Xc_hcf`ØWYhYf]
9Ya d'c'XY'VzVYfhi fUXY`gY [i fc'XY'g]i X

D\ÉWi mB' []U

HUb '_cma U'hYghYf]
9Ya d'c'XY'VzVYfhi fUXY`gY [i fc'XY'g]i X

L`Áhb[\] a 'W b'í c'½

7YffU]`cdYfUgncb`UF
9Ya d'c'XY'VzVYfhi fUXY`gY [i fc'XY'g]i X

H\ 'h Wd\ i 'h i h

Dg]_]muf]`hYXU]g]
9Ya d'c'XY'VzVYfhi fUXY`gY [i fc'XY'g]i X

ì] i 'f 'h % 'h b

8] 'hYXU]g]
9Ya d'c'XY'VzVYfhi fUXY`gY [i fc'XY'g]i X

ì] i 'f 'b\U_ \cU

; Òn'hYXU]g]
9Ya d'c'XY'VzVYfhi fUXY`gY [i fc'XY'g]i X

ì] i 'f 'b\z'b_ \cU

=ba][fUM]i b 8cW/a Ybhcg



8cW/a Ybhcg! J]gUXc

Hi fVø

BXYb[]f] j]nYg]]g]mcfj bi n3

DfY[i bhUF`U`U[i]Yb`dcf`ei Á`gc`]V]hU`i b]]gUXc`XY`YbhfUXU

J]YhbLa]hU

H]]gUc`V b`Wb`h`h`h` Wb\ d`Wb\3

Ø`YQ]Á]b]]nYmY`]\h]mUWa`j`Uf`a`3

DfY[i bhUF`g]`b`Y`W`g]`h`g]`i`b]]gUXc`XY`YbhfUXU`U`dUÉg

HØ]W`Wb`h`h`h`W`í`b`Ø`Á`í`hb`VQ`\Eb[3

J]nYa]`bUg`i`nUHW`]f]a`3

=bZcfa UfY`XY`W`a`c`La`d`]Uf`h`i`j`]gUXc

@%a`h`b`%`i`]]U\`b`h`h`W`W`U`H]3

J]nY`VU`j`i`fi`a`b`Y`X`Y`b`f`Y`X`Y`X`]X]3

DfY[i bhUF`dcf`ei Á`gY`\U`f`W`U`h`U`X`c`h`i`gc`]V]h`X`XY`j`]gUXc

H]]gUc`í`b`i`]b`h`h`h`W`W`U`H]V`h`W`]3

? U`W`ch`fi`a`]nb`]Á]b`VU`j`i`fUM`]f]a`]m]a`3

DfY[i bhUF`g]`di`Y`X`Y`g`gc`]V]hUf`U`f`Y`g]X`Y`b`W`U`d`Y`fa`U`b`Y`b`Y`Y`b`Y`d`U`Ég

HØ]W`h`í`Bb[`É`í`f`h`h`h`W`X`%`h`h`b[`f`Ö`í`W`_\Eb[3

8cW/a Ybhcg! `DYfa]gc`XY`VøbXi V]f

Hi fVø

5 fUMLa b`d`U`U`g`b`XYú]`h]fa`Y`]a`]n]a`3

DfY[i bhUF`g]`h]Y`b`Y`g`ei`Y`W`b`V]Uf`U`a`UfÉW`U`XY`Vø`W`Y`

J]YhbLa]hU

HØ]W`d\`]h`Umí`]V]`b`g`I`Y`W`U`a`Éb`\`Um`\Eb[3

5 fUMLa `U`h`X`Y`h]fa`Y`_]g]mcfi`a`3

=bX]W]f`ei`Y`ei`]Y`f`Y`g`a`Uf]W`Uf`h`i`j`Y`É`W`c

HØ]a`i`b`í`Bb[`É`I`Y`

9\`]m]h]a`Vi`fUXU[`Y`Á`Y`f`]a`]3

DfY[i bhUF`dcf`U`j`U`X`Y`n`X`Y`h`i`d`Y`fa`]gc`XY`Vø`b`X`i`V]f`Y`b`Y`d`U`Ég`XY`X`Y`g]bc

6 b[`~`%`I`Y`W`U`H]W`h`]i`~`W`í`%`h`Um`\Eb[3

;`Y`Á]V]Y`h`]m]h`VY`[`Y`g]`U`a`U`_]g]mcfi`a`"

Gc`]V]hUf`i`b`d`Y`fa`]gc`XY`Vø`b`X`i`V]f`d`f`c`j`]g]c`b`U`

HØ]a`i`b`í`Bb[`É`É`a`h`V`b[`~`%`I`Y`h`a`h`]

SSSSSSSSSS`]Á]b`U`h`c`a`U`_]g]mcfi`a`"

=bX]W]f`ei`Y`ei`]Y`f`Y`g]`b`g`V]V]f`h`Y`b`Y`Y`I`La`Y`b`XY`Vø`b`X`i`V]f`

HØ]a`i`b`í`Bb[`É`SSSSSSSSSS"

H`cf]`_`g`b`U`

H]dc`XY`Y`I`La`Y`b`

?`É`h`]`~`U`h`i`m`h`

=ba][fUM]i b 8cW/a Ybhcg



X]fY_g]ncb'g bUj
H]dc'XY'Yi La Yb

? Èh]`~1/2] Y

9\`]mY]a XY_]`SSSSSSSSSSSS`V][]g]b]`XYù] h]fa Y_
]g]ncfi a "
=bX]Wf`ei Y`ei]YfYg`W/a V]Uf`U[i bcg`XUhcg`XY`h` `dYfa]gc`XY`VtbXi V]f

HÈ]`a i b`h`Umí]`SSSSSSSS`f`A`b`V b[`~1/2] YWU`HÈ]"

UXfYg
8 Uhcgei Y`gY`dcXfÉUb`W/a V]Uf

í U`W

UX
8 Uhcgei Y`gY`dcXfÉUb`W/a V]Uf

h`È

ZhcúfUZ
8 Uhcgei Y`gY`dcXfÉUb`W/a V]Uf

b`\\

9\`]mY]a Y`XU`U`mø`gY`_`_`U`H[cf]`Yf`Y`_`Ya Y_
]g]ncfi a
=bX]Wf`ei Y`ei]YfYg`U` UX]f`W`H[cfÉU`g]g` dYf]cfYg`U`h` `dYfa]gc`XY`VtbXi V]f

HÈ]`a i b`h`A`È` \ b[`a` W`W`c`\` b]`j`1/2`V b[`~1/2] YWU`
a`È`\\`"

9\`]mY]a]`mYb]`Ya Y`_`]g]ncfi a "
=bX]Wf`ei Y`ei]YfYg`fYbcj` Uf`h` `dYfa]gc`XY`VtbXi V]f

HÈ]`a i b`~1/a` `a`]`V b[`~1/2] YWU`a`È`\\`

6]f`SSSSSSSSSSSS`Y`_`]mY]`XYù] h]fa Y`_`]g]ncfi a "
=bX]Wf`ei Y`bY`W`g]l`U`g]i b`dYfa]gc`XY`VtbXi V]f`bi`Y`j`c`

HÈ]`a i b`h`Um`V b[`~1/2] Y`SSSSSS`"

_`U`md
DfcV`Ya U`g`V`tb`Y` `dYfa]gc`XY`VtbXi V]f

a`h`

ÃU`ba
DfcV`Ya U`g`V`tb`Y` `dYfa]gc`XY`VtbXi V]f

V`í`1/b`\\`W`d`

\`U`g]f
DfcV`Ya U`g`V`tb`Y` `dYfa]gc`XY`VtbXi V]f

V]`\` \` b[

9\`]mY]a]b`]d`U``YX]`a`Y`g]b`Y]`h]f`U`h`Y`fa`Y`_`]g]ncfi`a`"
=bX]Wf`ei`Y`ei`]YfYg`fY`W`ff]f`U`fY]f]f`U`X`U`XY`h` `dYfa]gc`XY`VtbXi V]f

HÈ]`a i b`_`\` i`b`]j]]`W`V`í`È`\\`W` `[]`m`d`\\`A`d`~1/2]`Y`"

8cW/a Ybhcg! `B`U`M]`c`b`U`]`X`U`X Hi`f`V`È

J`]`Y`b`L`a`]`h`U`

ba][fUM]i b 8cW/a Ybhcg



Ø_Y'gZUhQj UubXU`ù`[Ä]b`VUj i fa U_`]g]ncfi a "
=bX]Wf`ei Y`ei]YfYg`dYX]f`U`bUM]cbU]XUX

HE]`a i b`í Bb[`É`ei mb`Vb[`X`b`h`]`O`E`í hib VØ

Ø]`Og`bUj `]Ä]b`bYfYmY`_Umhc`UM]`]f]a 3
=bZcfa UfY`XY`Xí bXY`di YXYg]bgM]V]fY`Yb`i bU`YI La Yb`XY`]X]ca U

HE]`W`h` í Bb[`É`_] a`fU`O[Éb`b[`Q` í`¾`3

GUW`_U`_UhX`a`nc`hi`f`"
=bX]Wf`ei Y`bc`h]YbYg`Ubh`W`X`Yb`h`Yg`d`Yb`U`Yg

HE]`_`Eb[`W`h] b`Y`b`h] b`g

; YfY`_]`O]`OgY]]mYg]bY`gU]V]a "
=bX]Wf`ei Y`h]YbYg`Y`b]j`Y`XY`]X]ca UfYei Yf]Xc

HE]`W`f`E`b`i`í`O[Éb`b[`Q` h`m`E`Wi

Ø`_Y`OmU`La`m`U`]`[]`[YbY`V]`[]`g`bUj `]Ä]b`_Umh
m`U`h`f`a`U_`]g]ncfi a
=bX]Wf`ei Y`ei]YfYg]bgM]V]fY`Yb`Y`YI La Yb`XY`W`h`i`fU[YbYfU`XY`dUÉg`XY`XYg]bc

HE]`a i b`í Bb[`É`É`] a`fUj`_]`b`h` Vh`b[`ei`½]j
W`V`g`b[`O` hib VØ

J UubXU`_`VUj i fi g`Ø`M`h`Yf]`bY`_UXUF3
=bZcfa UfY`gc`VfY`Ug`h`U`g`XY`U`gc`]V]h`X`XY`bUM]cbU]XUX

A`W`d`É`í`í`Bb[`É`ei mb`Vb[`X`b`h`]`O`E`í`½]j`b`]`E`3

9]a`Q`]`m`Y`h`g`Z`h`Q`j`U`u`b`X`U`X`f`"
=bX]Wf`U`b`UM]cbU]XUX`XY`h`i`W`b`m`i`[`Y`

J`f`W`b[É`h]`½]j`Vb[`X`b`h`]`O`E`í`hib`VØ